Abstract of Disclosure

An object recognition system mounted on a vehicle comprises a camera and a controller. The camera captures an image in front of the vehicle. The

5   controller divides the image into a plurality of windows. The controller measures distance to the road surface for each of the plurality of windows and thereby obtains a plurality of distances. The controller estimates a relative inclination of the road surface against the vehicle based on the plurality of distances. The controller judges, for each of the plurality of windows, based on the estimated

10   inclination, whether the object is an obstacle or the road surface and thereby obtains a judgment result. The controller recognizes the object based on the judgment result. The system recognizes objects in front of the vehicle even when the vehicle is lopsided by pitching, rolling or else.